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Claims

1. Cellular communication system for wireless telecommunication on the basis of an  
10 orthogonal frequency division multiplex (OFDM) scheme, comprising a plurality of  
basestations (B), whereby at least one basestation (B) is allocated to each cell (C) of the  
communication system and whereby information communicated from said basestation  
comprises data parts and pilot parts,  
**characterized in,**
- 15 that a frequency reuse factor of the data parts is different from a frequency reuse factor  
of the pilot parts.
2. Cellular communication system according to claim 1,  
**characterized in,**
- 20 that the frequency reuse factor of the data parts is smaller than the one of the pilot  
parts.
3. Cellular communication system according to claim 1 or 2,  
**characterized in,**
- 25 that the frequency reuse factor of the data parts is 3 and the one of the pilot parts is 9.
4. Method for operating a cellular communication system for wireless  
telecommunication on the basis of an orthogonal frequency division multiplex (OFDM)  
scheme, whereby information communicated within the cells of the communication  
30 system comprises data parts and pilot parts,  
**characterized in,**  
that a frequency reuse factor of the data parts is different from a frequency reuse factor  
of the pilot parts.
- 35 5. Method for operating a cellular communication system according to claim 4,  
**characterized in,**  
that the frequency reuse factor of the data parts is smaller than the one of the pilot  
parts.

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6. Method for operating a cellular communication system according to claim 4 or 5, **characterized in,**  
that the frequency reuse factor of the data parts is 3 and the one of the pilot parts is 9.

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